

Figure 1 a diagram of two optical nodes connected with a bundle of optical fibers

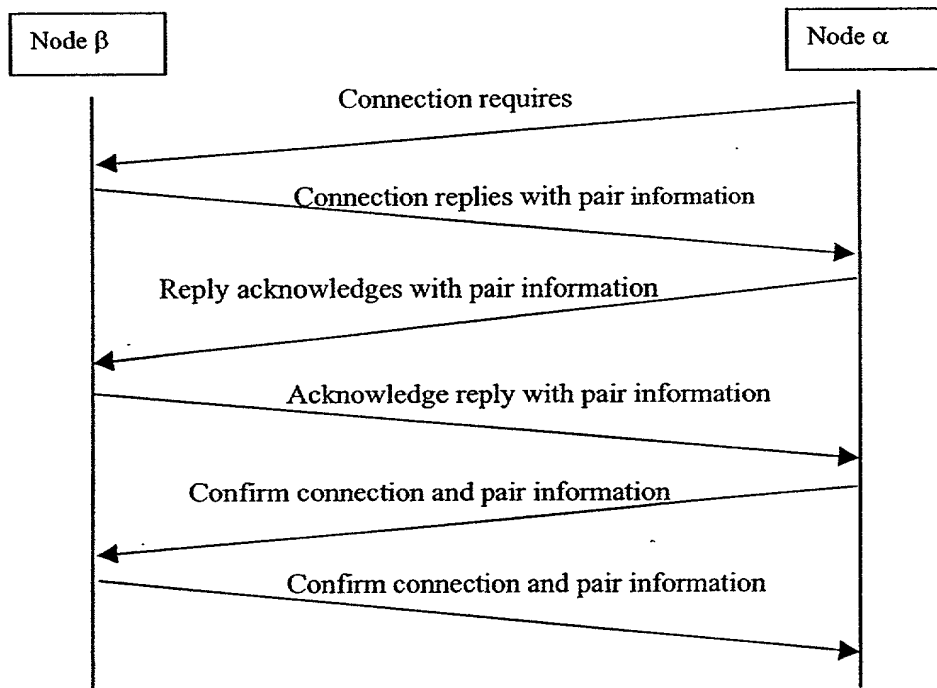


Figure 2 Handshaking protocol

10091290-030602

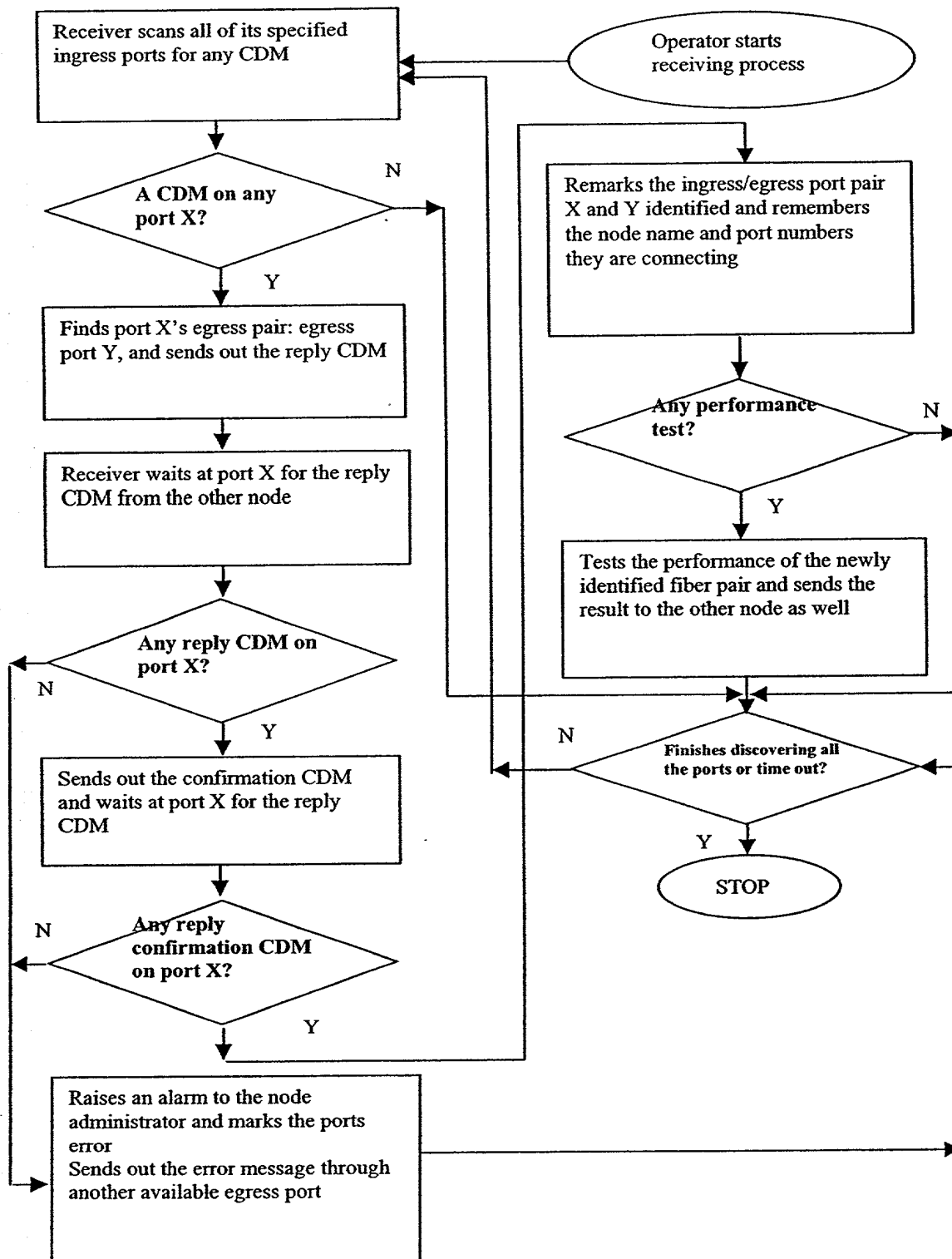


Figure 3 the algorithm on the receiving node

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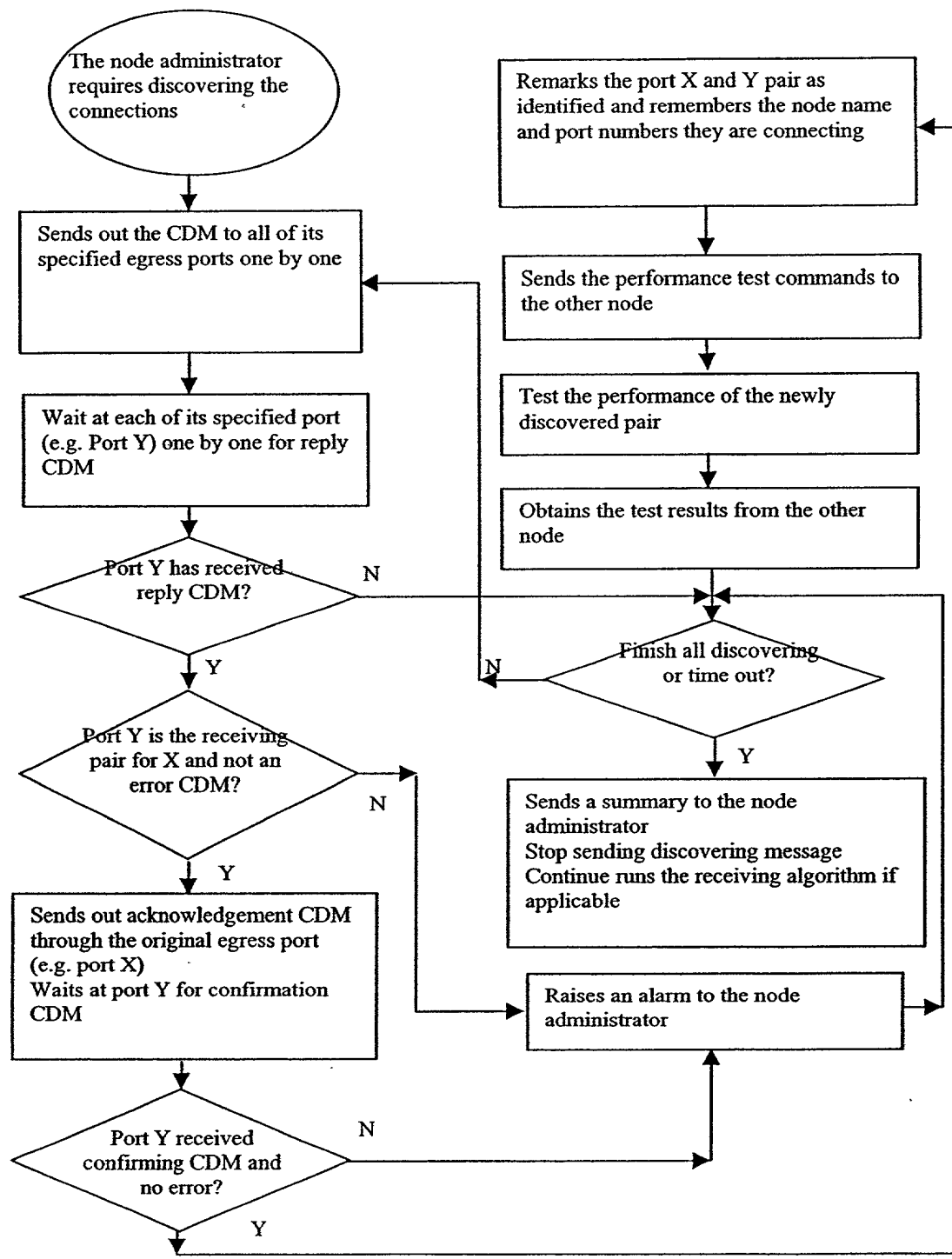


Figure 4 the algorithm on the sending node

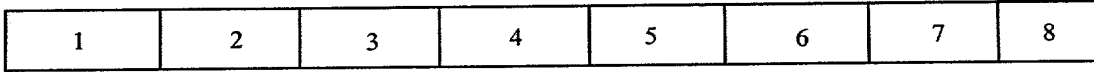


Figure 5 Message format

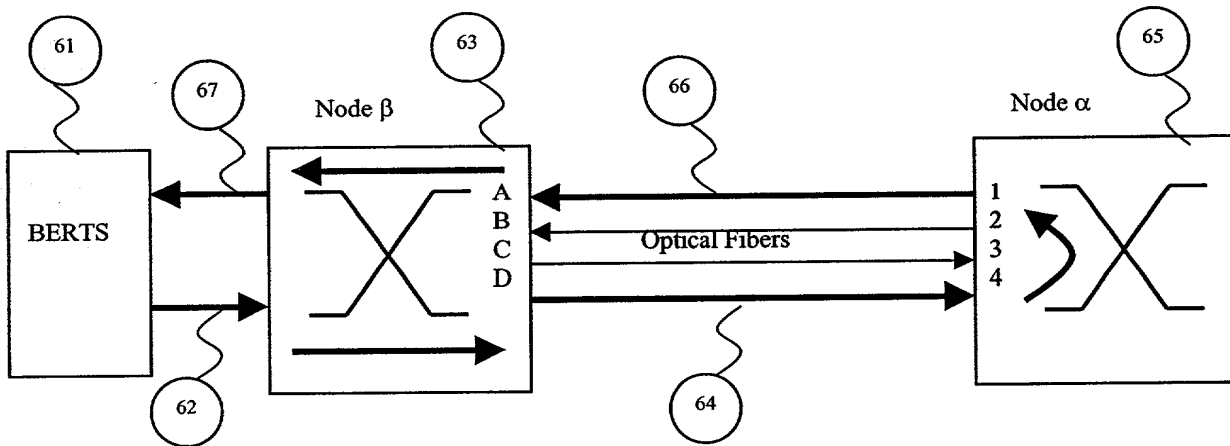


Figure 6 a diagram of two optical nodes connected with a bundle of optical fibers using a Bit Error Rate Test Set (BERTS) to determine quality of connection

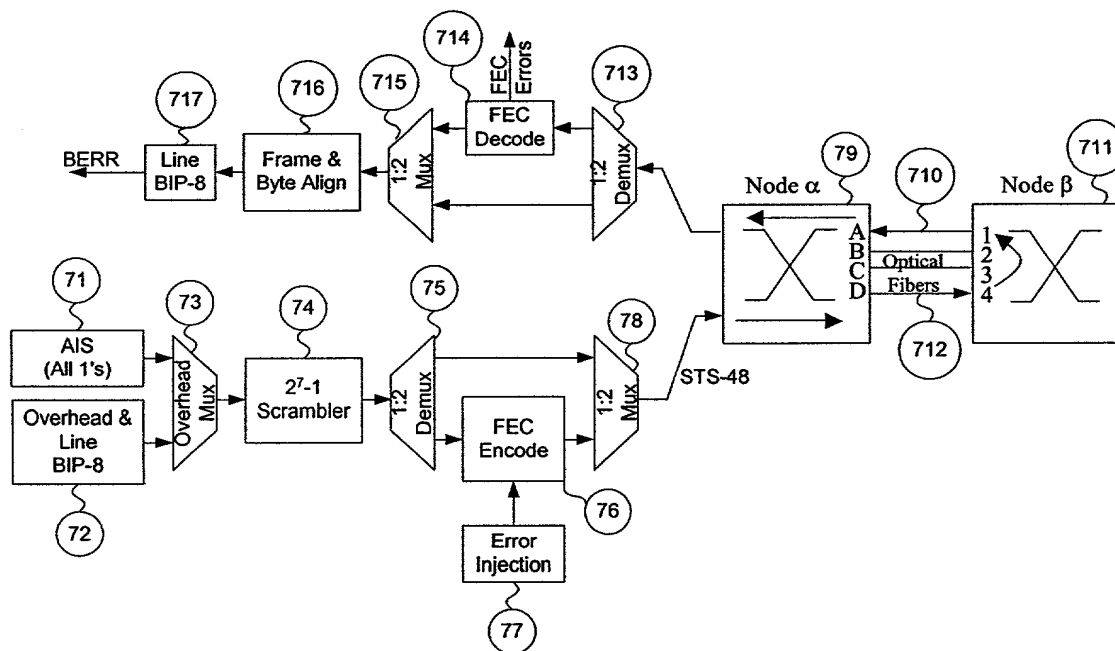


Figure 7 a diagram of two optical nodes driven by a specific Synchronous Optical Network (SONET) payload to determine the quality of the connection.